

Dr. Mourad GUESRI

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<https://scholar.google.com/citations?user=cOIEYX4AAAAJ>
<https://www.researchgate.net/profile/Mourad-Guesri>
Web of Science ResearcherID: D-6962-2017

PROFILE:

- Highly self-motivated Ph.D. candidate with demonstrated research expertise studying soil erosion and climate variability
- Excellent data analysis and visualization skills
- Excellent multi-tasking skills
- Computer skills:
 - Maintenance of operating systems, Office (Word, Excel, PowerPoint)
 - Hydraulics & Hydrology: ArcGis, QGIS, SWAT, Xlstat, MatLab, Khronostat, HecRas, AutoCad, Covadis, ePanet, RubarBE, Pascal language
 - Design & video: Photoshop, Adobe Premiere, Ulead Photo Express, AVS Video Editor.

RESEARCH INTERESTS:

Hydrology & water science topics:

- Rainfall erosivity study;
- Soil erosion modelling (USLE, MUSLE, RUSLE, RUSLE2, SWAT, SWAT+...);
- Use of Artificial Intelligence Techniques;
- GIS and remote sensing
- Climate change and climate variability

EDUCATION

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| 2014 – 2020 | <ul style="list-style-type: none">▪ PhD. in Hydraulics - University of Abou Bekr Belkaid Tlemcen/ Algeria<ul style="list-style-type: none">- Specialty: Water Science Technology- Thesis: "Influence of climate variability on sediment yield" |
| 2012 – 2014 | <ul style="list-style-type: none">▪ Master in Hydraulics (ranked 1st) - University of M'sila/ Algeria<ul style="list-style-type: none">- Specialty: Urban Hydraulics- Thesis: "Hydraulic modelling of an Algerian wadi taking into account the effect of energy dissipation (case of the K'sob wadi)" |
| 2012 – 2008 | <ul style="list-style-type: none">▪ Bachelor Degree - University of M'sila/ Algeria<ul style="list-style-type: none">- Specialty: Urban hydraulics- Thesis: "Dimensioning of the sewerage network of Pos El-Batene Commune of Bousaâda |
| 2007 – 2008 | <ul style="list-style-type: none">▪ Baccalaureate - High school of Salah-eddine elayoubi (M'sila) / Algeria<ul style="list-style-type: none">- Natural and life sciences |

TEACHING EXPERIENCE

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|-------------------|---|
| 2022 –2023 | <ul style="list-style-type: none">▪ Contracted teacher at University of M'sila /Algeria<ul style="list-style-type: none">- Faculty of Science Department of Agricultural Sciences- Taught subjects: Bioinformatics. |
| 2021 –2022 | <ul style="list-style-type: none">▪ Contracted teacher at University of M'sila /Algeria<ul style="list-style-type: none">- Faculty of Humanities and Social Sciences/ Department of Information and Communication Sciences- Taught subjects: Communication technology |

- 2021 –2022**
- **Contracted teacher** at University of M'sila /Algeria
 - Faculty of Technology/ Department of Hydraulics
 - Taught subjects: - Numerical hydraulics
- 2020 –2021**
- **Contracted teacher** at University of M'sila /Algeria
 - Faculty of Technology/ Department of Hydraulics
 - Taught subjects: - Numerical hydraulics,
 - Hydraulic machines and pumping stations
- 2016 –2017**
- **Contracted teacher** at University of M'sila /Algeria
 - Faculty of Technology/Department of Technical Sciences
 - Taught subjects: programming with Pascal

PUBLICATIONS

- March - 2020**
- Guesri, M., Megnounif, A., & Ghenim, A. N. (2020). [Rainfall erosivity and sediment yield in Northeast Algeria: K'sob watershed case study](#). Arabian Journal of Geosciences, 13, 1-11.

CONFERENCE PAPERS

- October - 2022**
- **1st National Seminar on Water, Climate & Water Resources Management/ (University of Souk Ahras, Algeria)**
"Construction of Intensity-Duration-Frequency (IDF) curves for the wadi K'sob Watershed (North-East Algeria) using hourly rainfall data".
- October - 2022**
- **1st National Seminar on Protection and Preservation of Water Resources/ (University of Blida, Algeria)**
"Morphometric analysis of K'sob watershed (North-East Algeria) using remote sensing and GIS techniques".
- October - 2022**
- **1st National Seminar on Protection and Preservation of Water Resources/ (University of Blida, Algeria)**
"Diagnostic et analyse de la qualité physico chimique des eaux superficielles D'Oued Bou saada, centre d'Algérie".
- October - 2022**
- **1st National Seminar on Protection and Preservation of Water Resources/ (University of Blida, Algeria)**
"Etude de la Qualité des eaux souterraines du bassin versant Oued El Ham, Cas de la zone de M'sila ".
- July - 2022**
- **1st edition of the National Day of Geomatics (JNG 2022/USTHB) (Algiers, Algeria)**
"Prediction of torrential risk by the study of hourly rainfall occurrence (Case of the Oued M'sila watershed)".
- Oct - 2018**
- **International Seminar "Agriculture 4.0: Rural Engineering for the Environment" (Algiers, Algeria)**
"Examination of soil degradation in the K'sob watershed (North-East Algeria)
- May - 2018**
- **3rd International Conference on the Hydrology of the Great African Basins (Algiers, Algeria)**
"Erosivity index estimation from annual and monthly rainfall data in semi-arid areas in North Africa"
- March - 2017**
- **WREIANA'2017 International Symposium (Gafsa, Tunisia)**
"Study of the solid transport in suspension in the Soubella catchment (North-East

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| March - 2017 | <ul style="list-style-type: none"> ▪ 1st Atlas Georesources International Congress 2017 (Hammamet, Tunisia)
"Analysis of rainfall irregularity and its consequences on water resources (case of the K'sob basin, North-East Algeria)" |
| Dec - 2016 | <ul style="list-style-type: none"> ▪ 4th National Seminar on Water and Environment 2016 (University of Chlef)
"Characterization of the drought in the K'sob watershed by the Standardized Precipitation Index (SPI)" |
| May - 2016 | <ul style="list-style-type: none"> ▪ DOCTORIAL 1st EDITION : 24 May 2016 (University of Tlemcen, Algeria)
"Influence of climate variability on sediment yield" |

WEBINARS

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| Dec - 2020 | <ul style="list-style-type: none"> ▪ Workshop "Application of Remote Sensing and GIS for Water, Environment, Land and Society" |
| Nov - 2020 | <ul style="list-style-type: none"> ▪ School for Young Scientists Seminar "Pollutant and sediment mobility in river systems: monitoring studies to identify human impacts"/ Moscow, Russia |
| Nov - 2020 | <ul style="list-style-type: none"> ▪ eMWRE Webinar Series on Free and Open Source Software for Water Resources Engineering: "QGIS, Python, SWAT & ModFlow" |
| Oct - 2020 | <ul style="list-style-type: none"> ▪ Seminar: "Esri [Live] GIS 2020 Conference" / ESRI France |
| Sept - 2020 | <ul style="list-style-type: none"> ▪ Step-by-step Guide on How to Prepare a Successful Paper - Algeria" / Springer Nature & CERIST |
| Sept - 2020 | <ul style="list-style-type: none"> ▪ Scopus: Search, Discover, and Analyze (60 min)" / Elsevier Researcher Academy |
| August - 2020 | <ul style="list-style-type: none"> ▪ Seminar: "the QGIS for preparing and visualising hydrological data" / Australian Water School |
| June - 2020 | <ul style="list-style-type: none"> ▪ Seminar "The C3S Demo Case SOIL EROSION: projecting rainfall erosivity and soil loss under climate change through Copernicus"/ by centre euroméditerranéo sui cambiamenti climatici/ Italy |
| May - 2020 | <ul style="list-style-type: none"> ▪ Web of Science Group/ clarivate analytics webinar series on: <ul style="list-style-type: none"> - Collaboration and funding, Preparation of the manuscript and journal selection |
| April - 2020 | <ul style="list-style-type: none"> ▪ Web seminar: "Creating a website to enhance the value of your geographic data" / ESRI France. |

COURSES

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|-------------------|---|
| Oct - 2019 | <ul style="list-style-type: none"> ▪ Open Water Symposium 2019/ UNESCO/Rabat, Morocco
- SWAT+ software training |
| Feb - 2018 | <ul style="list-style-type: none"> ▪ Francophone Digital Campus of Algiers – USTHB /Algeria |

- Training/ Scientific article: how to succeed in publishing?

Jan - 2018

- **French-speaking Digital Campus of Algiers - USTHB/Algeria**
- Training on Statistical Data Processing with R Software

April - 2017

- **8th International Algerian-Roman Days /Algeria**
- Training on GIS (geographic information systems)

2013 - 2014

- **Injaz El Jazair Program (Company Program) /Algeria**
- Entrepreneurship training for young academics

Dec - 2014

- **AL AMAL GLOBAL ACAMEDY** (State approved training school) /Algeria
- Training in AUTOCAD 2D

PROFESSIONAL EXPERIENCE

July 2019

- **Scientific internship** at University UCAM San Antonio de Murcia/ Spain
- Department of Civil Engineering
- Topic: Hydrological modelling using the SWAT tool

2013 –2014

- **Hydraulic engineer** at SARL les ingénieurs ZAHRAA (Technical Engineering Office) /Algeria
- VRD (Drinking water supply and sewerage networks)

LANGUAGES

Arabic
English
French

- Native;
- Read, written, spoken (Basic) ;
- Read, written, spoken (Fluent)

WORK STYLE

- ✓ Great computer management capacity ;
- ✓ The ability to constantly learn new things and adapt to new environments quickly;
- ✓ Great discipline at work ;
- ✓ Dynamic and team player